PDR RID Report

Date Last Modified 6/8/95
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Document PDR

RID ID PDR 425
Review SDPS
Originator Ref LLL-Subscribe-2
Priority 2

Section **Page** **Figure** **Table**

Category Name Design-Planning/Design-Data Server **Actionee** HAIS
Sub Category
Subject Subscription Notices and Location of Data

Description of Problem or Suggestion:

Documentation prior to PDR stated that a Subscription Notice would be sent to Planning when the data became available. This has been changed (PDR Day #3) to the Notice being sent after the data has been transferred to the local data server. If data becomes available early, this could result in potentially large amounts of data taking up server or working storage space for indefinite periods until other required data is available, or until the DPR reaches runtime priority.

Originator's Recommendation

Place some semi-intelligent constraints on transfer of remote data to the local server.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Suhrstedt **HAIS Schedule** 5/22/95
HAIS R. E. McDonald **HAIS Response Date** 5/16/95

Subscription Notices are sent to Planning when data that was subscribed to is available at the data server which manages this data. This could be a remote data server. The notices allow Planning to determine when a PGE becomes eligible for execution (namely when all its required input data is available). This process is different from synchronizing the staging of data locally (i.e., at the processing site) for reading by the PGE, in an optimal fashion with the dispatching of the PGE onto the target platform for execution. Production Management / Processing will not dispatch a process onto a target platform until "available" data located at a remote data server has been staged locally. The precise mechanism for implementing this concept through capabilities in the Data Server / Data Processing and interfaces between them has as yet not been decided.

Whether the data is moved to local processing storage directly from a remote data server or is moved between data servers before being provided to processing will be determined by evaluating the amount of data involved, the length of time it will be stored, and the number of times it might be moved. If the same data is to be accessed by multiple PGEs with time lags between accesses, it may be more efficient for the local data server to obtain the data to minmize data movement.

Status **Closed** **Date Closed** **6/8/95** **Sponsor** **Marinelli**

****** **Attachment if any** ******